

## SR1020A

### Mini Optical Receiver with AGC

#### FEATURES & BENEFITS

- Designed for CATV HFC and FTTH networks
- Excellent Linearity and Flatness
- Single-mode fiber high return loss
- Using GaAs amplifier active devices
- Build-in AGC function
- Ultra low noise technology
- Smaller size and easier installation
- Double color LED for optical power indication



#### TECHNICAL SPECIFICATIONS

Parameters	Units	Value
<b>Optical Parameters</b>		
Input Wavelength	nm	1260 ~ 1600
Responsivity	A/W	≥0.9
Input Power Range	dBm	-10 ~ +3
AGC Range	dBm	-7 ~ +2
Optical Return Loss	dB	≥45
Fiber Type	–	Single Mode
Optical Connector	–	SC/APC
<b>RF Parameters</b>		
Frequency Range	MHz	47-1000
Gain Characteristic Flatness	dB	±0.75
Output Level (@ 42 Ch. CENELEC)	dBμV	≥80 @ AGC
RF Connector	–	F-female
Output Impedance	Ohm	75
Output Return Loss	dB	≥16
CNR (Carrier-to-Noise Rating)	dB	≥50
CSO (Composite Second Order)	dB	≥62
CTB (Composite Triple Beat)	dB	≥65
<b>Other Parameters</b>		
Power Supply	VDC	12
Power Consumption	W	<2
Power Supply Connector	–	F-female
Operation Temperature Range	°C	0...+50
Net Weight	Kg	0.045
Dimensions (L*W*H)	mm	75*63*17

**Notes:** 1) Max. Optical input level (no damage of photo diode): +3 dBm  
 2) CNR ≥ 50 dB with -1 dBm optical power input  
 3) AC/DC Power adapter included



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 Specifications and features are subject to change without prior notice